

<b>BOAT</b> Name <b>ADRENALINA</b> Sail Nr <b>ITA-17897</b>	<b>GPH</b> <b>543.6</b>	<b>HULL</b> Length Overall <b>13.305m</b> Maximum Beam <b>4.054m</b> Displacement <b>8,985kg</b> Draft <b>2.669m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>XP 44</b> Designer <b>JEPPESEN</b> Builder <b>X-YACHT</b> Series <b>01/2010</b> Age <b>02/2016</b> Age Allowance <b>0.292%</b> Offset File <b>XP44.off - 16/07/2018 17:05:58</b> Measurement by - <b>29/05/2019</b>		IMSL <b>12.219m</b> VCGD <b>-0.100m</b> Sink <b>27.07kg/mm</b> RL <b>10.965m</b> VCGM <b>-0.061m</b> WS <b>36.78m<sup>2</sup></b> LSM0 <b>11.953m</b> Displacement/Length ratio <b>5.2612</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>529.9</b>			<b>596.5</b>		
Time on Time	<b>1.1323</b>			<b>1.1316</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>613.7</b>	<b>483.5</b>	<b>437.3</b>	<b>793.5</b>	<b>597.7</b>	<b>531.8</b>
Time on Time	<b>1.0998</b>	<b>1.3960</b>	<b>1.5434</b>	<b>0.8507</b>	<b>1.1294</b>	<b>1.2692</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>900.3</b>	<b>740.6</b>	<b>665.2</b>	<b>637.7</b>	<b>625.2</b>	<b>614.3</b>	<b>604.2</b>
52°	<b>590.1</b>	<b>495.0</b>	<b>457.5</b>	<b>446.0</b>	<b>440.7</b>	<b>438.1</b>	<b>430.2</b>
60°	<b>557.6</b>	<b>475.2</b>	<b>444.8</b>	<b>433.6</b>	<b>428.4</b>	<b>425.6</b>	<b>417.5</b>
75°	<b>532.4</b>	<b>462.5</b>	<b>435.4</b>	<b>420.3</b>	<b>410.7</b>	<b>405.2</b>	<b>400.2</b>
90°	<b>536.5</b>	<b>463.4</b>	<b>434.6</b>	<b>416.6</b>	<b>400.7</b>	<b>387.4</b>	<b>372.8</b>
110°	<b>542.0</b>	<b>454.8</b>	<b>422.9</b>	<b>406.6</b>	<b>394.3</b>	<b>381.5</b>	<b>359.9</b>
120°	<b>555.4</b>	<b>460.9</b>	<b>425.7</b>	<b>400.7</b>	<b>380.0</b>	<b>365.9</b>	<b>341.4</b>
135°	<b>620.5</b>	<b>497.9</b>	<b>443.6</b>	<b>416.8</b>	<b>391.3</b>	<b>365.5</b>	<b>314.0</b>
150°	<b>738.3</b>	<b>589.3</b>	<b>498.0</b>	<b>447.7</b>	<b>425.8</b>	<b>406.7</b>	<b>363.1</b>
Run VMG	<b>852.6</b>	<b>680.5</b>	<b>575.0</b>	<b>516.7</b>	<b>489.8</b>	<b>460.1</b>	<b>414.4</b>

**Certificate**  
Number **178971**  
ORC Ref **ITA00052957**  
Issued On **29/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **888kg**  
Maximum **929kg**  
Minimum\* **697kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>553.7</b>	<b>1.0837</b>
Double H.OSN	<b>541.5</b>	<b>1.1080</b>
Non Spin GPH	<b>578.8</b>	<b>1.0366</b>
Non Spin OSN	<b>565.2</b>	<b>1.0616</b>

Selected Courses							
Windward / Leeward	<b>876.4</b>	<b>710.5</b>	<b>620.1</b>	<b>577.2</b>	<b>557.5</b>	<b>537.2</b>	<b>509.3</b>
Circular Random	<b>740.8</b>	<b>600.9</b>	<b>527.6</b>	<b>486.4</b>	<b>461.4</b>	<b>444.5</b>	<b>420.4</b>
Coastal / Long Distance	<b>874.0</b>	<b>667.8</b>	<b>560.4</b>	<b>502.8</b>	<b>473.0</b>	<b>446.3</b>	<b>402.5</b>
Non Spinnaker	<b>805.4</b>	<b>646.7</b>	<b>561.0</b>	<b>510.8</b>	<b>479.5</b>	<b>458.6</b>	<b>431.6</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>4</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.8°</b>	<b>41.3°</b>	<b>40.0°</b>	<b>38.9°</b>	<b>38.5°</b>	<b>38.3°</b>	<b>38.5°</b>
Beat VMG	<b>4.00</b>	<b>4.86</b>	<b>5.41</b>	<b>5.65</b>	<b>5.76</b>	<b>5.86</b>	<b>5.96</b>
52°	<b>6.10</b>	<b>7.27</b>	<b>7.87</b>	<b>8.07</b>	<b>8.17</b>	<b>8.22</b>	<b>8.37</b>
60°	<b>6.46</b>	<b>7.58</b>	<b>8.09</b>	<b>8.30</b>	<b>8.40</b>	<b>8.46</b>	<b>8.62</b>
75°	<b>6.76</b>	<b>7.78</b>	<b>8.27</b>	<b>8.57</b>	<b>8.77</b>	<b>8.88</b>	<b>9.00</b>
90°	<b>6.71</b>	<b>7.77</b>	<b>8.28</b>	<b>8.64</b>	<b>8.98</b>	<b>9.29</b>	<b>9.66</b>
110°	<b>6.64</b>	<b>7.92</b>	<b>8.51</b>	<b>8.85</b>	<b>9.13</b>	<b>9.44</b>	<b>10.00</b>
120°	<b>6.48</b>	<b>7.81</b>	<b>8.46</b>	<b>8.98</b>	<b>9.47</b>	<b>9.84</b>	<b>10.54</b>
135°	<b>5.80</b>	<b>7.23</b>	<b>8.12</b>	<b>8.64</b>	<b>9.20</b>	<b>9.85</b>	<b>11.46</b>
150°	<b>4.88</b>	<b>6.11</b>	<b>7.23</b>	<b>8.04</b>	<b>8.45</b>	<b>8.85</b>	<b>9.91</b>
Run VMG	<b>4.22</b>	<b>5.29</b>	<b>6.26</b>	<b>6.97</b>	<b>7.35</b>	<b>7.82</b>	<b>8.69</b>
Gybe Angles	<b>143.0°</b>	<b>145.6°</b>	<b>147.9°</b>	<b>151.2°</b>	<b>152.1°</b>	<b>175.5°</b>	<b>177.4°</b>

**Class Division Length**  
CDL = **11.593**

**Storm Sails Areas**  
Heavy Weather Jib **44.75**  
Storm Jib (JL=11.84) **16.58**  
Storm Trysail **19.01**

**Owner**

<b>BOAT</b>		
Name <b>ADRENALINA</b>	Sail Nr <b>ITA-17897</b>	
File <b>I17897</b>	Data in <b>meters/kilograms</b>	

<b>RIG</b>		
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>	
Inner Stay <b>None Fitted</b>	Runners <b>0</b>	
Carbon Mast <b>Yes</b>	Jumper Struts <b>None</b>	
Taper Hollows <b>No</b>	Jib Furler <b>No</b>	
Fiber Rigging <b>No</b>	Main Furler <b>No</b>	
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>	
Articulated Bowsprit <b>No</b>		
P <b>17.890</b>	E <b>6.070</b>	MDT1 <b>0.154</b> MW <b>0.280</b>
IG <b>18.170</b>	J <b>5.240</b>	MDL1 <b>0.272</b> GO <b>0.290</b>
ISP <b>19.660</b>	SFJ <b>0.000</b>	MDT2 <b>0.150</b> BD <b>0.290</b>
BAS <b>1.770</b>	SPL <b>0.000</b>	MDL2 <b>0.185</b> MWT <b>242.00</b>
FSP <b>0.068</b>	TPS <b>6.510</b>	TL <b>1.680</b> MCG <b>7.350</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>29/05/2019</b>		SG <b>1.0250</b>
FFM <b>1.537</b>	FF <b>1.539</b>	SFFP <b>0.744</b>
FAM <b>1.216</b>	FA <b>1.216</b>	SAFP <b>13.259</b>
W1 <b>109.0</b>	PD1 <b>514.2</b>	WD <b>14.600</b>
W2 <b>109.0</b>	PD2 <b>514.0</b>	GSA <b>1.0</b>
W3 <b>109.0</b>	PD3 <b>515.6</b>	RSA <b>1.0</b>
W4 <b>109.0</b>	PD4 <b>511.6</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>7.439 / 7.697</b>
Maximum beam station from stem		<b>9.119</b>
RM Measured		<b>243.9kg-m</b>
RM Default		<b>265.1kg-m</b>
Limit of positive stability / Stab.Index		<b>125.2° / 129.3</b>
Freeboard at mast at 5.240		<b>1.366</b>



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<b>MIZZEN RIG AND SAILS</b>		
N/A		

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0.470</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.118</b>	
Twin Screw <b>No</b>	PIPA <b>0.0039</b>	
ST1 <b>0.050</b>	ST3 <b>0.180</b>	ST5 <b>0.280</b>
ST2 <b>0.180</b>	ST4 <b>0.112</b>	EDL <b>2.760</b>

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<b>COMMENTS</b>		
FFM=(SHEER 45°)-46mm FAM=(SHEER 45°)-21,5mm		

<b>MOVABLE BALLAST</b>		
N/A		



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<b>CENTERBOARD</b>		
N/A		

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.380	1.38	2.34	3.95	5.14	65.59	66.91	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	21.68	19.85	20.77	10.81	10.98	187.65	AS · (SFL + 4·SHW) / 6		

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HBB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.13	0.94	1.73	3.14	4.41	5.58	18.31	55.13	Y	N	25/10/2018	Technor	
0.15	0.93	1.73	3.11	4.36	5.53	18.20	54.32	N	N	10/04/2019	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>149</b>				
Date <b>29/05/2019</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YANMAR	4JH57	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>

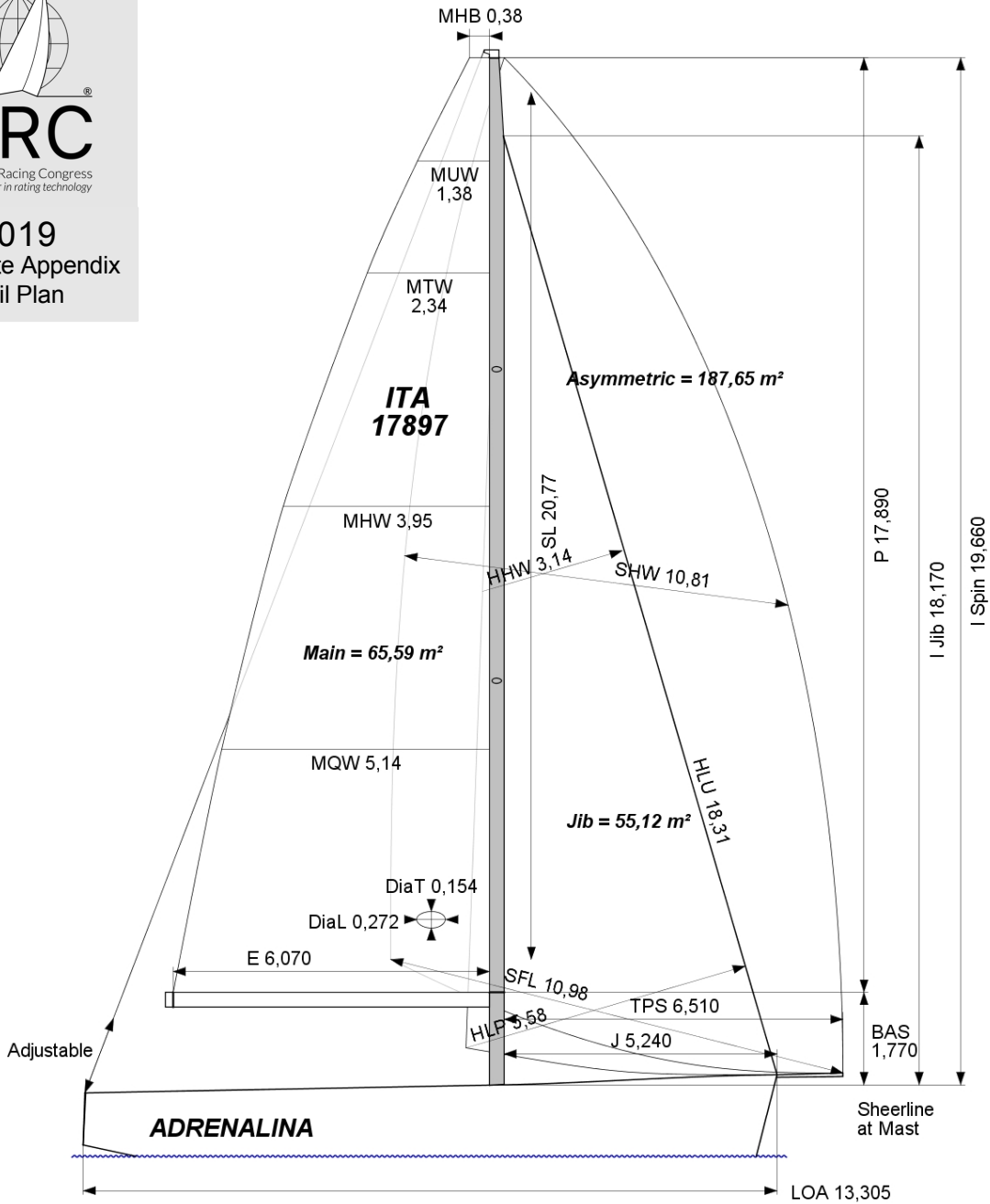
<b>MEASUREMENT INVENTORY</b>						
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG Condtn Description</i>
D	Tank	GASOLIO	PVC	200.0	6.10	20.0 L
C	Tank	ACQUA	PVC	350.0	6.40	0.0 VUOTO
B	Tank	ACQUE	PVC	55.0	7.90	0.0 VUOTO
A	Tank	ACQUE	PVC	55.0	4.80	0.0 VUOTO
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>	
B	Ballast	102.4	7.95		9 PANI DI PB IN SENTINA	
A	Ballast	130.0	8.70		SCATOLA RIPIENA DI PB NEL VANO	
B	Battery	25.0	10.00		1 BATT DA 70 AH	
A	Battery	60.0	4.70		2 BATT DA 110 AH	
B	Misc	15.0	8.45		FORNO + FORNELLI	
A	Misc	20.0	10.20		BOILER	



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Sail Plan



**SAILS INVENTORY**

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
D	0.38	1.38	2.34	3.95	5.14	65.59		08/05/2019		Unknown						
C	0.29	1.28	2.22	3.73	4.94	62.99		30/10/2018	EUROSAIL	Carbon						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
D	0.13	0.94	1.73	3.14	4.41	5.58	18.31	106%	55.13	Y	N		25/10/2018	EUROSAIL	Technor	
E	0.15	0.93	1.73	3.11	4.36	5.53	18.20	106%	54.32	N	N		10/04/2019		Unknow	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
B	21.68	19.85	20.77	10.81	10.98	187.65	asym		14/06/2018		Unknown					
A	21.04	18.20	19.62	11.49	11.37	187.47	asym		25/05/2018		Unknown					
C	20.20	18.66	19.43	7.12	9.23	122.12	asym		27/03/2019		Unknown					